

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| L1 | 27 | ((("4746794") or ("5049739") or ("5381008") or ("5481107") or ("5565679") or ("5672868") or ("6630665") or ("20020079443") or ("6753523") or ("5223711") or ("5426301") or ("5663560") or ("6222185") or ("6815667"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 14:58 |
| L2 | 2966 | (250/281,282,283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 13:57 |
| L3 | 0 | ("I02orI1").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 13:57 |
| L4 | 2981 | ((("4746794") or ("5049739") or ("5381008") or ("5481107") or ("5565679") or ("5672868") or ("6630665") or ("20020079443") or ("6753523") or ("5223711") or ("5426301") or ("5663560") or ("6222185") or ("6815667"))).PN. or (250/281,282,283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/30 13:58 |
| L5 | 16844 | (mass near spectromet\$4) and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:01 |
| L6 | 8114 | I5 and optic\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:01 |
| L7 | 6289 | I6 and (filter\$3 or (select\$4 near5 (mass or mass/charge or mass-to-charge or m/z or m/q))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:08 |

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|-----|-------|--|---|----|----|------------------|
| L8 | 122 | I7 and ((collision or collid\$3) near (chamber or cell or cage)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:04 |
| L9 | 119 | I8 and (analyzer or analyz\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:07 |
| L10 | 99 | I8 and (analyzer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:05 |
| L11 | 0 | I19 and (ion near optic\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:06 |
| L12 | 0 | I19 and (ion near2 optic\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:07 |
| L13 | 94 | I9 and (ion near2 optic\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:07 |
| L14 | 16 | I13 and ((ion near2 optic\$4) with (filter\$3 or (select\$4 near5 (mass or mass/charge or mass-to-charge or m/z or m/q)))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:09 |
| L15 | 28768 | I14 ((filter\$3 or (select\$4 near5 (mass or mass/charge or mass-to-charge or m/z or m/q)))with (analyzer or analyz\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:09 |

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|-----|-------|---|---|----|----|------------------|
| L16 | 16 | l14 and ((filter\$3 or (select\$4 near5 (mass or mass/charge or mass-to-charge or m/z or m/q))) with (analyzer or analyz\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:12 |
| L17 | 0 | 09/787358 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:12 |
| L18 | 21026 | (ion near (source or beam)) and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:59 |
| L19 | 0 | l18 and aritfact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 14:59 |
| L20 | 287 | l18 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:00 |
| L21 | 44 | l20 and gas and (collision) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:02 |
| L22 | 14 | l21 and (mass-to-charge or m/q or m/z or mass/charge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:15 |
| L23 | 1 | l22 and l2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:19 |

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| L24 | 97 | (ion adj (source or beam)) and artifact and collision and pressur\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:22 |
| L25 | 82 | I24 and gas | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:32 |
| L26 | 91 | (mass-to-charge or m/z or m/q or (mass adj to adj charge)) and ion and collision and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:34 |
| L27 | 86 | I26 and gas | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:35 |
| L28 | 19 | I27 and I2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:47 |
| L29 | 479 | (ion with plasma) and ion and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:57 |
| L30 | 374 | I29 and gas\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:58 |
| L31 | 1 | I30 and (collision near2 cell) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 15:59 |

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| L32 | 52 | I30 and (collision) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:00 |
| L33 | 36 | I32 and optic\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:00 |
| L34 | 7 | I33 and (m/z or m/q or mass-to-charge or (mass adj to adj charge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:05 |
| L35 | 7 | I34 and spectrum | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:03 |
| L36 | 97 | (mass near spectromet\$4) and artifact and (remov\$4 with artifact) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:03 |
| L37 | 47 | I36 and plasma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:04 |
| L38 | 9 | I37 and collision | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:08 |
| L39 | 5 | I38 and (lens or optic\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:05 |

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| L40 | 0 | I39 and (m/z or m/q or mass-to-charge or (mass adj to adj charge)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:05 |
| L41 | 65 | I4 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:07 |
| L42 | 16 | I41 and plasma and ion | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:08 |
| L43 | 1 | I42 and collision | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:08 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 128 | ion and plasma and (len or optic\$4) and (filter\$3 or select\$4) and (collision near cell) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:00 |
| L2 | 105 | I1 and ((mass adj to adj charge) or m/q or m/z or mass-to-charge or mass-to-charge-ratio) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:36 |
| L3 | 101 | I2 and gas\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:34 |
| L4 | 98 | I3 and pressur\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:34 |
| L5 | 97 | I4 and (quadrupole or multipole or (ion adj guid\$4) or (ion near lens) or sector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:35 |
| L6 | 57 | I5 and (magnetic\$4 near sector) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:36 |
| L7 | 39 | I6 and (((mass adj to adj charge) or m/q or m/z or mass-to-charge or mass-to-charge-ratio) near\$6 analy\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:07 |
| L8 | 36 | I7 and (vacuum\$3 or evacuat\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:39 |

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| L9 | 12 | I8 and ((off or angl\$4) near5 axis) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:55 |
| L10 | 5 | I8 and (free with gas\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:42 |
| L11 | 4 | I10 and deflect\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:42 |
| L12 | 0 | I11 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:58 |
| L13 | 0 | I8 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:43 |
| L14 | 0 | I11 and I9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:43 |
| L15 | 9 | I9 and analyte | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 16:57 |
| L16 | 65 | I3 and analyte | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:00 |

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| L17 | 0 | l16 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:00 |
| L18 | 278 | ion and (len or optic\$4) and (filter\$3 or select\$4) and (collision near cell) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:00 |
| L19 | 133 | l18 and analyte | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:00 |
| L20 | 1 | l19 and artifact | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:02 |
| L21 | 4 | analyte and artifact and ion and gas\$3 and (collision near (cell or chamber)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:03 |
| L22 | 2 | l21 and (((mass adj to adj charge) or m/q or m/z or mass-to-charge or mass-to-charge-ratio) near6 analy\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:09 |
| L23 | 71 | l19 and (((mass adj to adj charge) or m/q or m/z or mass-to-charge or mass-to-charge-ratio) near6 analy\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:11 |
| L24 | 46 | l23 and (ion near2 (optic\$4 or lens)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:11 |

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| L25 | 39 | I24 and (high near2 (vacuum\$3 or pressur\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:12 |
| L26 | 39 | I25 and quadrupole | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:13 |
| L27 | 37 | I26 and RF | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:13 |
| L28 | 10 | I27 and seal\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:14 |
| L29 | 0 | I28 and ((offset\$5 or off or angl\$3) near6 axis) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:16 |
| L30 | 2 | I28 and ((offset\$5 or off or angl\$3) with axis) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:15 |
| L31 | 10 | I28 and pressur\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/30 17:17 |